

NITL ★ P73 90-250780/33 ★ J0 2174-224-A
Polyimide composite membrane prodn. - involves contacting
polyimide membrane having anisotropic structure with organic
soln. contg. crosslinking (meth)acrylate copolymer resin

NITTO DENKO CORP 00.00.89-JP-294465 (14.01.83-JP-004480)

A26 J01 (A32 A55) (06.07.80) B01d-69/12 B01d-71/64 B32b-05/18
00.00.89 as 294465 Div ex 14.1.83-004480 (56RP)

Membrane is produced by contacting a base polyimide membrane
having an anisotropic structure with a dense surface layer and a
porous inner layer with an organic soln. contg. crosslinking resin
whose average mol. wt. is larger than the fractionating mol. wt. of
the base membrane; then crosslinking the resin to form an insoluble
thin layer. Specific crosslinking resin of hydroxyalkyl
(meth)acrylate copolymer and a polyfunctional crosslinking agent
contg. more than two functional gps. capable of reacting with
hydroxyl gps. are used.

Pref. polyisocyanate is used as a crosslinking agent.

USE/ADVANTAGE - The composite membrane resistant to
organic solvent and gases can be obtd. using organic solvent soln.
The membrane is used to separate solutes with less than tens to
thousands mol. wt. from organic liq. It is also used for gas concn. or
sepn. (6pp Dwg.No.0/0)

N90-194253

© 1990 DERWENT PUBLICATIONS LTD.
128, Theobalds Road, London WC1X 8RP, England
US Office: Derwent Inc., 1313 Dolley Madison Boulevard,
Suite 303, McLean, VA22101, USA

Unauthorised copying of this abstract not permitted.